

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1-25 (Canceled).

26. (Currently Amended) A method for monitoring an interior of a motor vehicle and a surrounding area of the motor vehicle, comprising:

(1) capturing an image of at least part of the surrounding area of the motor vehicle by a first optical opening of a camera device;

(2) capturing an image of at least part of the interior of the motor vehicle by a second optical opening of the camera device, the steps (1) and (2) being performed alternately; and

(3) transmitting the images obtained in steps (1) and (2) to a processing unit.

27. (Previously Presented) The method according to claim 26, wherein:

the at least part of the surrounding area of the vehicle is in a direction of travel.

28. (Previously Presented) The method according to claim 26, wherein:

the at least part of the interior of the vehicle includes parts of a body of a driver.

29. (Previously Presented) The method according to claim 26, wherein step (1) includes illuminating the interior of the vehicle by a radiation source, the radiation source emitting a radiation at least substantially invisible to the human eye.

30. (Previously Presented) The method according to claim 29, wherein:

the radiation source is an infra-red radiation source.

31. (Currently Amended) ~~The method according to claim 26 A~~ method for monitoring an interior of a motor vehicle and a surrounding area of the motor vehicle, comprising:

(1) capturing an image of at least part of the surrounding area of the motor vehicle by a camera device;
(2) capturing an image of at least part of the interior of the motor vehicle by the camera device, the steps (1) and (2) being performed alternately; and
(3) transmitting the images obtained in steps (1) and (2) to a processing unit;

wherein step (2) includes:

superimposing the at least part of the interior of the vehicle visible to the camera device on the at least part of the surrounding area of the vehicle visible to the camera device; and

determining the image of the at least part of the interior of the vehicle by subtracting the image of the at least part of the surrounding area.

32. (Previously Presented) The method according to claim 26, wherein:

only an image of an area surrounding the motor vehicle visible to the camera device is captured in the step (1); and

only an image of the interior of the motor vehicle visible to the camera device is captured in the step (2).

33. (Previously Presented) The method according to claim 32, wherein:

switching back and forth between the step (1) the step (2) is accomplished via at least one light valve.

34. (Previously Presented) The method according to claim 33, wherein:

the at least one light valve is an electro-optical light valve.

35. (Previously Presented) The method according to claim 26, wherein an image captured is only a partial area of a maximum image that may be captured by the camera device, the partial area of the maximum image including at least one of image rows, image columns, and image pixels, and wherein the method further comprises:

switching back and forth between capturing a partial area of the interior and a partial area of the surrounding area;

processing by the processing unit the partial areas captured; and

capturing a next partial area.

36. (Previously Presented) The method according to claim 26, further comprising:

capturing a face of a driver, the face including eyes of the driver.

37. (Previously Presented) The method according to claim 26, further comprising:

capturing at least one of road markings and a position of the vehicle relative to the road markings.

38. (Previously Presented) The method according to claim 36, further comprising:

evaluating at least one of the face of the driver and a position of the vehicle relative to road markings to determine at least one of whether the eyes of the driver are open and whether the vehicle is moving beyond a predefined area of the road markings; and

issuing at least one of a visual warning and an

audible warning based on the evaluation.

39. (Previously Presented) The method according to claim 26, further comprising:

capturing road signs.

40. (Previously Presented) The method according to claim 26, further comprising:

determining at least one of a number of people in the vehicle and a seat occupancy.

41. (Previously Presented) The method according to claim 40, further comprising:

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deactivating at least one of an airbag and a seat heater of a corresponding seat when the corresponding seat is one of empty and occupied by a child seat.

42. (Previously Presented) The method according to claim 26, further comprising:

capturing lip movements of a person in the vehicle to support a speech input system.

43. (Previously Presented) The method according to claim 42, wherein:

the person is a driver of the vehicle.

44. (Currently Amended) A device for monitoring an interior of a motor vehicle and a surrounding area of the motor vehicle, comprising:

a camera device having a first optical opening and a second optical opening, wherein the camera device is configured to alternately capture an image of at least part of the interior of the motor vehicle by the first optical opening and capture an image of at least part of the surrounding area of the motor vehicle by the second optical opening; and

a processing unit connected to the camera device, the images captured by the camera device transmitted to the processing unit.

45. (Previously Presented) The device according to claim 44, wherein:

a first beam path of the camera device points in a direction of a road in front of the vehicle; and

a second beam path of the camera device points in a direction of the interior.

46. (Previously Presented) The device according to claim 45, wherein:

the second beam path of the camera device points in a direction of a driver in the interior.

47. (Previously Presented) The device according to claim 44, further comprising:

an illumination unit configured to emit a radiation at least substantially invisible to the human eye, the illumination unit controlled by the processing unit.

48. (Previously Presented) The device according to claim 47, wherein:

the radiation is infra-red radiation.

49. (Previously Presented) The device according to claim 44, further comprising:

an infra-red filter arranged in the camera device.

50. (Previously Presented) The device according to claim 49, wherein:

the infra-red filter is arranged in the second beam path in the direction of the interior.

51. (Previously Presented) The device according to claim 44,

further comprising:

at least one light valve arranged in the camera device.

52. (Previously Presented) The device according to claim 51, wherein:

the at least one light valve is a liquid crystal cell.

53. (Previously Presented) The device according to claim 44, further comprising:

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at least one deviation mirror arranged in the camera device.

54. (Previously Presented) The device according to claim 53, wherein:

the at least one deviation mirror is semi-transparent.

55. (Previously Presented) The device according to claim 54, wherein:

the at least one deviation mirror is one of concave and convex.

56. (Previously Presented) The device according to claim 44, wherein:

the camera device has a single camera.

57. (Previously Presented) The device according to claim 56, wherein:

the single camera is one of a CCD camera and a CMOS camera.

58. (Previously Presented) The device according to claim 44, wherein:

the camera device has at least two cameras for

capturing images stereoscopically.

59. (Previously Presented) The device according to claim 44, further comprising:

at least one of visual output units and acoustic output units connected to the processing unit, the at least one of visual output units and acoustic output units configured to issue a warning to a driver when one of eyes of the driver are closed and the vehicle is about to move beyond a marked area of a road.

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60. (Previously Presented) The device according to claim 44, wherein:

the camera device is one of arranged in an upper part of a windshield and integrated into a roof of the vehicle.

61. (Previously Presented) The device according to claim 53, further comprising:

an adjustment device configured to adjust the at least one deviation mirror so that at least eyes and lips of a driver can be seen in the image of the interior of the vehicle captured by the camera device.

62. (New) The device according to claim 44, wherein the image of at least part of the interior of the motor vehicle is determined by:

superimposing the at least part of the interior of the vehicle visible to the camera device on the at least part of the surrounding area of the vehicle visible to the camera device; and

determining the image of the at least part of the interior of the vehicle by subtracting the image of the at least part of the surrounding area.